

*Memoranda*

1887



HOWLAND ISLAND

JANUARY 16, 1967

1500 Arr.	7 men	
1500 17 Jan.	6 men	Smith (500)
2000 18 Jan	7 men	Tux & Mike
		renewal

KENNETH BALCOMB

✓NDP  
CDT

Done 3/8/69

turned  
- 83400



Bands Issued -

17 JAN

777-51003-51100

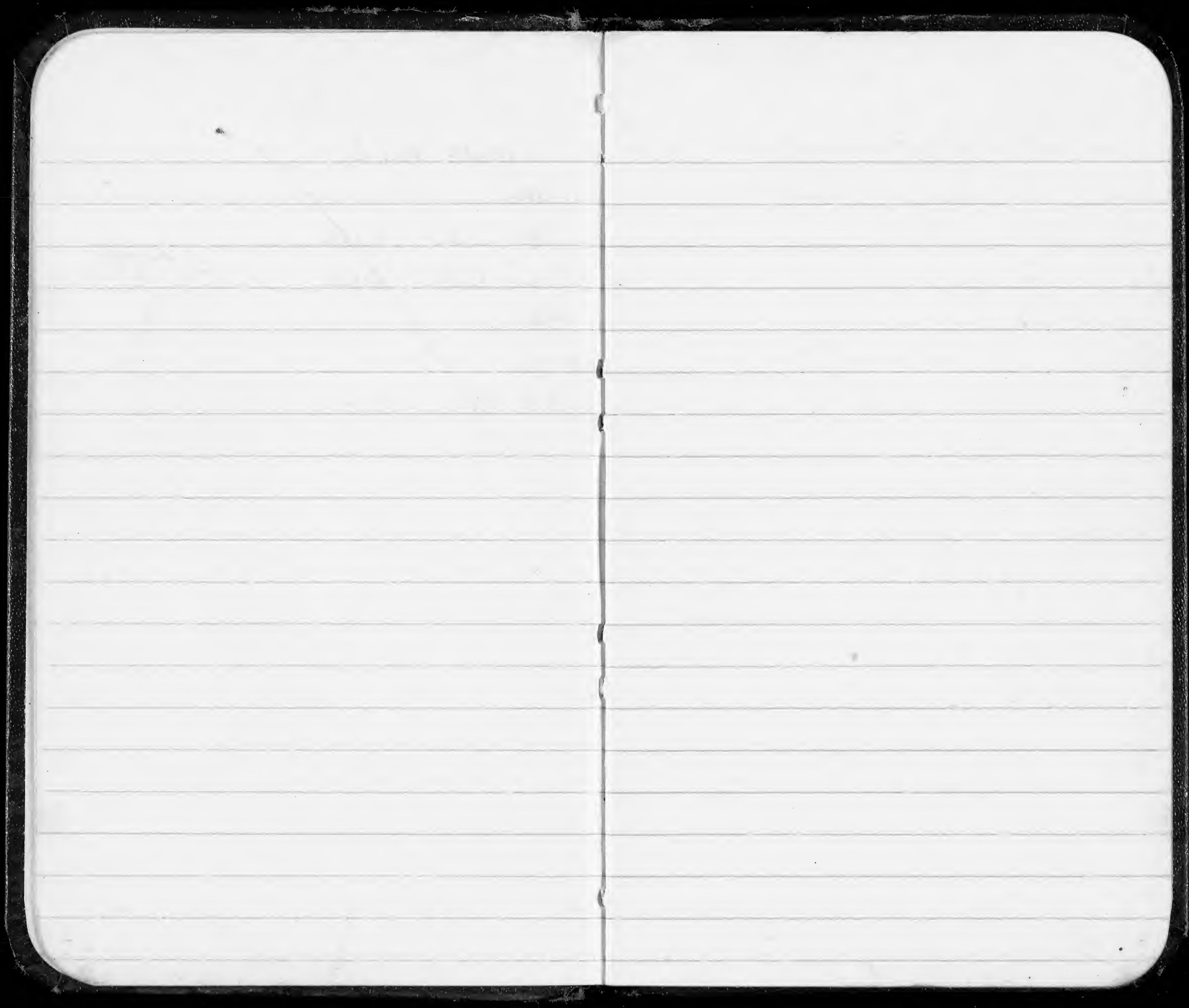
923-82001-84000

returned  
83501-83400

~~923~~

19 JAN

923-88501-89500







# NEST COUNT

16 JAN, 1967

BFB

BB

RFB

w/ 1 EGG

~~||||~~ ||

(12)

1 (29)

~~||||~~ 1

(6)

w/ 2 EGG

~~||||~~ 1

(6)

(26)

w/ SM CHICK

~~||||~~ ~~||||~~ ~~||||~~ ||

(23)

1 (58)

w/ SM CHICK + 1 EGG

1

(1)

(3)

w/ LG CHICK

~~||||~~ ~~||||~~ ~~||||~~ ||

(22)

(56)

~~||||~~ ||

||

(3)

w/ IMM.

~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~

~~||||~~ ~~||||~~ ~~||||~~ ||

(63)

1

(163)

|||

~~||||~~ |||

(9)

NEST CT. 16 JAN

GF

✓ 1 EGG    ~~IN~~ ~~IN~~ ~~IN~~ ~~IN~~ 1

IMM

~~IN~~ ~~IN~~ ~~IN~~

Shorebird

16 JAN

~~RT - IN~~



Recovery — 16 JAN

568-70633 BFB

70679 "



19 JAN, 1967

0		
I	3:60	100
II	8:60	100
III	5:60	100
IV	6:60	100
V	6:60	100
VI	8:60	100
VII	<u>36:60</u>	<u>70</u>
		$670 \times 3 = 2010$

home 300 x 3

0		
I	8:60	100
II	5:60	100
	<u>49:480</u>	<u>200</u>
		$200 \times 3 = 600$

$$= 2,610 \times 150$$

$$\begin{array}{r} 261 \\ 15 \\ \hline 1305 \\ 261 \\ \hline 391500 \\ 24 \\ \hline 15660 \\ 7830 \\ \hline 93960 \end{array}$$

Sooty tern colony ~ 17 Jan, 1967

The colony is located on the runway area in the southeastern quarter of the island. It is an average of 250' wide in a belt that extends from the southern tip to the middle of the island i.e.  $\frac{3}{4}$  mile (4,000 ft).

The nest densities for 3 sample 100 sq' plots were 12, 30, & 31, for an average of 24/100 sq'. For 1,000,000 sq'. nests  $\cong$  240,000 nests or 480,000 birds.

heard 1 imm sooty on night 18 Jan



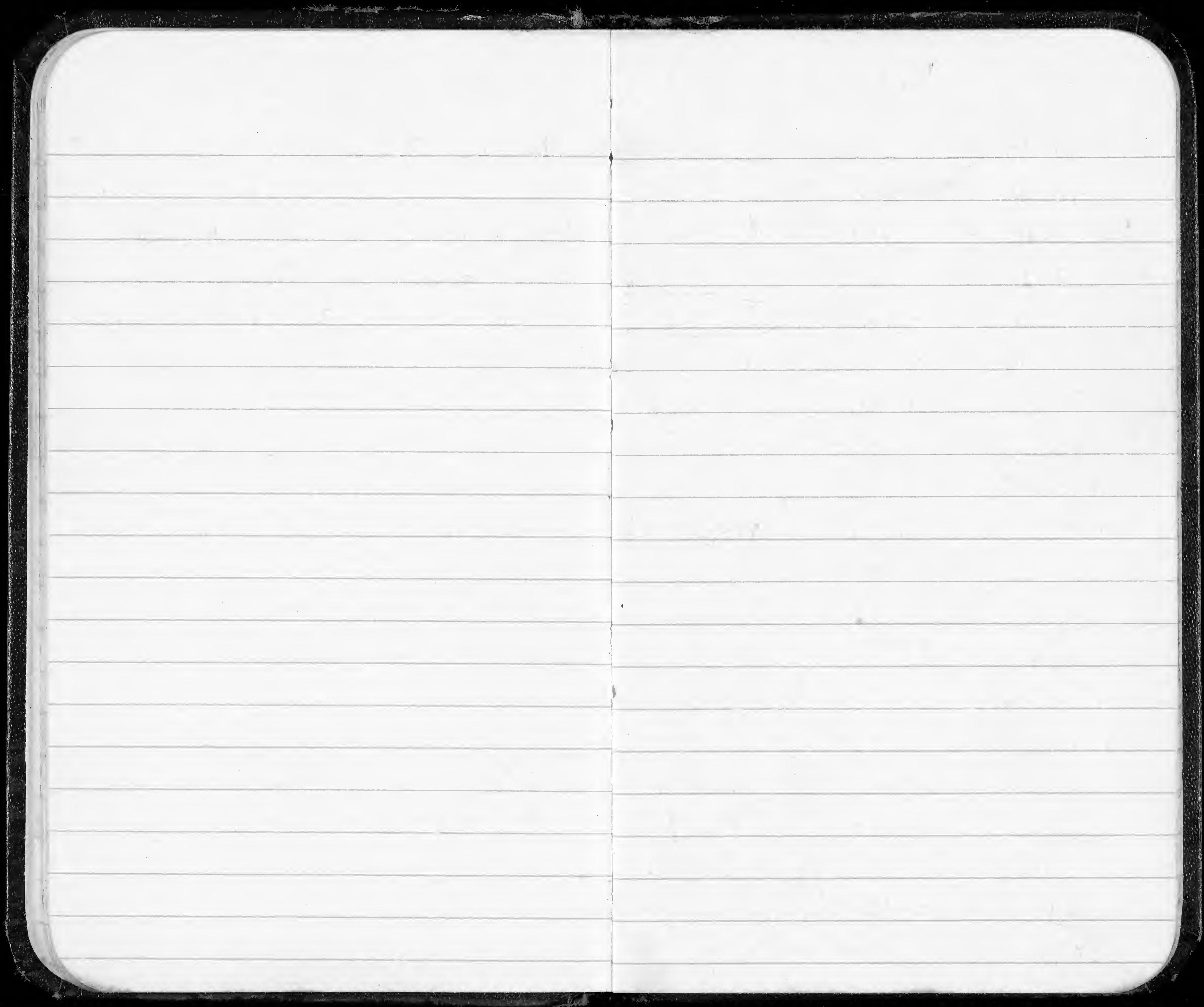
Banding 17 JAN, 1967

777-51003-51100 AY on lesser

Frigatebird Imm

923-82001-83500 ST Ad on egg







✓ ADP  
all  
✓ 17

793-48339 ✓	43403 ✓	43858 ✓
46096 ✓	43781 ✓	44578 ✓
72921 ✓	45911 ✓	46357 ✓
72927 ✓	46869 ✓	36145 ?
45129 (bs) ✓	44987 ✓	<u>29860</u>
45319 ✓	43743 ✓	48592
46762 ✓	49487 ✓	31126 ✓
47453 ✓	49971 ✓	
44580 ✓	44362 ✓	
47333 ✓	47638 ✓	MAGNUM!
49321 ✓	72838 ✓	
72561 ✓	49080 ✓	
47465 ✓	46034 ✓	
43674 ?	48767 ✓	
44106 ✓	46372 ✓	
44210 ✓	47237 ✓	
48382 ✓	44845	
44014 ✓	30766 ✓	
43645 ✓	45859 ✓	
30469 ✓	46590 ✓	

*Old bands on line pen  
this page - line pen  
checked for ADP*

✓ ADP  
Sooty Tern Returns 17 JAN

773-29861 ✓	22012 ✓	39506 ✓
20115 ✓	27207 ✓	29215 ✓
21280 ✓	28653 ✓	26635 ✓
20796 ✓	25367 ✓	23936 ✓
25812 ✓	21414 ✓	24539 ✓
24224 ✓	25137 ✓	20061 ✓
20217 ✓	26423 ✓	24253 ✓
26823 ✓	27635 ✓	26255 ✓
20777 ✓	29933 ✓	26374 ✓
23151 ✓	39994 ✓	27451 ✓
24127 ✓	26271 ✓	20153 ✓
27537 ✓	27624 ✓	27500 ✓
26911 ✓	20452 ✓	22205 ✓
24571 ✓	23439 ✓	25981 ✓
20305 ✓	20116 ✓	28606 ✓
25399 ✓	39939 ✓	21997 ✓
29038 ✓	29548 ✓	23480 ✓
21966 ✓	26120 ✓	27697 ✓
29338 ✓	27657 ✓	29087 ✓
21507 ✓	29109 ✓	



✓ADP

Y17

823-01921 ✓

01953 ✓

Y17

✓ADP

843-38472 ✓

36060 ✓

37876 ✓

55463 ✓

37873 ✓

55844 ✓

55247 ✓

39431 ✓

35338 ✓

36499 ✓

38450 ✓

55059 ✓

55734 ✓

37266 ✓

36399 ✓

38201 ✓

55580 ✓

55816 ✓

37541 ✓

36266 ✓

35152 ✓

38534 ✓

35931 ✓

36349 ✓

35394 ✓

35711 ✓

35718 ✓

36249 ✓

39114 ✓

35142 ✓

39038 ✓

55469 ✓

37430 ✓

35971 ✓

37370 ✓

35937 ✓

37234 ✓

38256 ✓

35358 ✓

36083 ✓

36084 ✓

55047 ✓

36050 ✓

36415 ✓

38016 ✓

36422 ✓

35825 ✓

55678 ✓



✓ 17 ✓ ADD

863-80608 ✓

80200 (BS) ✓

80310 ✓

✓ 17

✓ ADD

953-31811 ✓

10764 ✓

20531 (BS) ✓

22559 ✓

03815 ✓

07540 (BS) ✓

12859 ✓

11928 ✓

31961 ✓

06330 (BS) ✓

10912 ✓

23243 ✓

06983 ✓

13409 ✓

04838 ✓

06344 ✓



24

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915

1915



BIRDS: AD:

~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~ ~~|||||~~

IMM:

~~|||||~~ ~~|||||~~ ~~|||||~~ 1

18 JANUARY, 1967

205

✓ADP

BLUE-FACED BOOBY RETURNS

737-28504 ♂ lg chick ✓

23582 ♂ " ✓

20684 ♀ Roosting (or) ✓

53257 ♂ 1 egg ✓

757-63230 ♀ } Imm (568-70626) ✓

737-27513 ♂ }

28645 ♂ Imm ✓

757-63004 ♀ R ✓

63306 ♂ sm chick ✓

587-84043 ♂ 2 eggs ✓

737-27797 ♀ } sm chick ✓

757-63864 ♂ }

737-28971 ♀ } Imm ✓

27501 ♂ }

20705 ♀ R ✓

53203 ♀ R ✓

27712 ♀ R ✓

49532 ♀ R ✓

28808 ♀ } R ✓

27711 ♂ } dead ✓



AD: ~~|||||~~

~~|||||~~

INM: ~~|||||~~

✓ 18 ✓ A & P

737-28923 ♂ 2 eggs ✓

757-63016 ♀ R ✓

737-27710 ♂ sm chick ✓

27540 ♀ R ✓

737-53382 ♀ sm chick ✓

737-82126 ♀ "

82255 ♂ Imm downy ✓

27627 ♀ R ✓

26626 ♀ R ✓

49547 ♂ R ✓

28540 ♀ } R ✓

27564 ♂ } ✓

49534 ♀ } R ✓

22805 ♂ } ✓

28957 ♀ } empty nest ✓

53236 ♂ } ✓

39660 ♂ R ✓

27653 ♂ 1 egg ✓

27652 ♂ ✓

26659 ♀ } R ✓

39661 ♂ } ✓



AD: 34, 100 (club)

IMM: 1

✓ 18

✓ ADP

737-39645 ♀ R ✓

39662 ♀ } lg chick ✓

49584 ♂ } ✓

23552 ♀ R ✓

27672 ♂ } R ✓

37583 ♀ } ✓

26653 ♀ R ✓

49552 ♂ sm chick ✓

49866 ♀ sm chick ✓

27671 ♀ } Imm (clowny) ✓

39647 ♂ } ✓

25885 ♀ R ✓

23550 ♂ } R ✓

49524 ♀ } ✓

27681 ♂ 2 eggs ✓

27696 ♀ R ✓

39857 ♀ sm chick ✓

27685 ♂ R ✓

39668 ♀ R ✓

37588 ♀ R ✓



unbanded: IIII

AD: ~~III~~ ~~III~~ ~~III~~ I, 87

IMM: ~~III~~ III

1/18

✓ ADP

737-39674 ♀ } on egg ✓

39856 ♂ }

27697 ♂ R ✓

37585 ♀ R ✓

757-65009 ♂ R ✓

737-27885 ♂ } Sm chick ✓

82 noband ♀ ✓

737-82265 ♂ } lg chick ✓

27600 ♀ ✓

81502 ? club ✓

757-60977 ♀ R ✓

737-28552 ♂ R ✓

49664 ♀ } R ✓

39688 ♂ }

39890 ♀ } lg chicks ✓

49576 ♂ } ✓

49574 ♀ lg chick ✓

39886 ♂ ✓

27952 ♂ lg chicks ✓

39559 ♀ ✓



AD:

Imm: 1

Y/18

✓ ADP

737-20712 ♀ }  
26685 ♂ }

R ✓

20564 ♀ } lg chick ✓  
49824 ♂ }

28643 ♀ lg chick ✓

25878 ♀ imm ✓

39687 ♂ sm chick ✓

39738 ♀ lg chick ✓

28921 ♂ lg chick ✓

39734 ♀ sm chick ✓

53126 ♀ lg chick ✓

39719 ♀ leggy ✓

39710 ♂ leggy ✓

27523 ♂ sm chick ✓

53254 ♀ }

49593 ♀ R ✓

49670 ♂ R ✓

49586 ♂ leggy ✓

39729 ♂ R ✓

25899 ♀ }



AD ~~II~~ ~~II~~ ~~II~~ II

Imm : ~~II~~ II

1/18

✓ ADP

737- 49601 ♀ 2eggs ✓

39694 ♂ 1egg ✓

558- 85053 ♀ } lg chick ✓

737- 27784 ♂ } ✓

27587 ♀ } R ✓

27586 ♂ } ✓

28598 ♂ lg chick ✓

53415 ♂ sm chick ✓

39926 ♂ R ✓

587- 83432 ♂ } Imm ✓

737- 39753 ♀ } ✓

39780 ♂ 2eggs ✓

39777 ♂ 1egg ✓

20941 ♂ 2eggs ✓

49746 ♂ R ✓

27826 ♂ R ✓

28618 ♀ Imm ✓

49606 ♂ 2eggs ✓

49597 ♂ } Imm ✓

21265 ♀ } ✓



AD: ~~IN IN IN IN IN IN IN IN~~  
~~IN IN~~

imm: ~~IN IN~~

✓ 1/18 ✓ ADP

737-39714	♂	R	✓
39751	♂	2 eggs	✓
25875	♂	Imm	✓
39764	♀	lg chick	✓
39762	♀	Imm	✓
39715	♂		✓
39795	♀	R	✓
39904	♂	lg chick	✓
20939	♀		✓
20934	♀	R	✓
82435	♀	R	✓
757-62927	♂		✓
737-28867	♀	2 eggs	✓
39954	♂	R	✓
27984	♂	lg chick	✓
587-83341	♀		✓
737-27744	♂	R	✓
53219	♀		✓
757-62971	♀	R	✓
737-53425	♂	Imm	✓



AD: ~~III~~ ~~III~~ ~~III~~ ~~III~~ II

imm: ~~III~~ III

✓ 15

✓ ADP

757-65081 ♀ } ✓ R

737-49836 ♂ } ✓

757-62877 ♀ } ✓ R

737-53213 ♂ } ✓

20949 ♀ ✓ lg chick

757-65183 ♀ } ✓ lg chick

737-22845 ♂ } ✓

39789 ♂ } ✓ R

587-83354 ♀ } ✓ R

737-28856 ♂ } ✓ R

737-27936 ♀ } ✓

39800 ♀ ✓

568-71444 ♀ } R ✓

737-20715 ♂ } ✓ lg chick

28781 ♀ } ✓

28576 ♂ } ✓

39976 ♀ } R ✓

28637 ♀ } P ✓

49632 ♂ } ✓

49592 ♂ } R ✓



AD: ~~TH~~ ~~TH~~ ~~NI~~ ~~NI~~ ~~NI~~ ~~NI~~ ~~NI~~ ~~NI~~ ~~NI~~  
~~TH~~ 35

Imm: ~~TH~~ ~~NI~~

✓ 18 ✓ ADP

737-39950 ♀ R ✓

587-83433 ♀ R ✓

737-53407 ♂ R ✓

737-39943 ♂ R ✓

27818 ♀ R ✓

39993 ♂ lg chick ✓

20724 ♂ 2 eggs ✓

39992 ♂ lg chick L

82153 ♀ sm chick

39903 ♂ } ✓

39906 ♀ L ✓

28917 ♂ R ✓

39793 ♀ sm chick ✓

20966 ♂ R L

53344 ♀ 3 R ✓

757-63718 ♂ } ✓

737-20736 ♂ R ✓

53216 ♂ R ✓

53438 ♀ R ✓

53259 ♂ R ✓



Ad: ~~III~~ ~~III~~ ~~III~~ ~~III~~ ~~III~~

35

Imm: ~~III~~ ~~III~~ ~~III~~

at NE side near black structure

1/18

✓ ADP

737- 53272 ♀ R club ✓

587- 83523 SAU R club ✓

737- 20742 ♀ R ✓

82443 ♀ R ✓

49839 ♂ 3 R ✓

587- 83492 ♀ 3 ✓

737- 20558 ♀ R ✓

53351 ♀ 3 R ✓

28560 ♂ ✓

27746 ♀ 3 R ✓

53421 ♂ ✓

20923 ♀ R ✓

27820 ♀ 1 egg ✓

82282 SA/imm ✓

20854 ♂ R ✓

53274 ♂ 1 egg ✓

27435 ♀ R ✓

558- 85098 ♀ R ✓

737- 20985 ♀ R ✓

27753 ♂ lg chick ✓



Ad: III, 30<sup>2</sup>, 100<sup>club</sup>, 150<sup>club</sup>

III II

44 50 ~~encl~~ (not a club)

115 SW corner ( " )

18 "

IMM: III | III III III III II

1/19

✓ ADP

737-20633 ♂

R club ✓

27754 ♂

R club —

20752 ♀

R club ✓

53258 ♀

on chick ✓

23502 ♂

✓



19 JAN, 1967

Banding

923-88501-89500 ALL ON  
SOOTY TERN ADULTS  
ON EGGS



# SOOTY TERN RETURNS

✓ADP

19 JANUARY, 1967

773-24734 ✓	23285 ✓
25258 ✓	28663 ✓
20355 ✓	24724 ✓
21592 ✓	26458 ✓
39953 ✓	21473 ✓
24369 ✓	29547 ✓
29035 ✓	23177 ✓
29106 ✓	25496 ✓
29676 ✓	28861 ✓
39648 ✓	
39514 ✓	
24099 ✓	
25901 ✓	
20164 ✓	
29730 ✓	
20073 ✓	
26933 ✓	
24726 ✓	
24223 ✓	



19 JAN

✓ A5/P

793- 31150 ✓ 46193 ✓

47835 ✓

46741 ✓

45398 ✓

46454 ✓

45587 ✓

48911 ✓

46801 ✓

45847 ✓

30442 ✓

47854 ✓

47470 ✓

30150 ✓

30683 ✓

48400 ✓

49179 ✓

30798 ✓

49669 ✓

46223 ✓

44984 ✓



19 JAN

✓ADP

843 - 37042 ✓ 38803 ✓

35263 ~

38751 ✓

36698 ✓

35969 ✓

36934 ✓

37954 ✓

36991 ✓

35543 ✓

55669 ✓

37664 ✓

38663 ✓

36642 ✓

37087 ✓

38636 ✓

35219

36359 ✓

37764 ✓

36630 ✓

37020 ✓



19 JAN ✓

✓ADP

863- 81480 B.S. ✓

50810 ✓



19 JAN

✓ ADP

953-11905

B.S.

10627

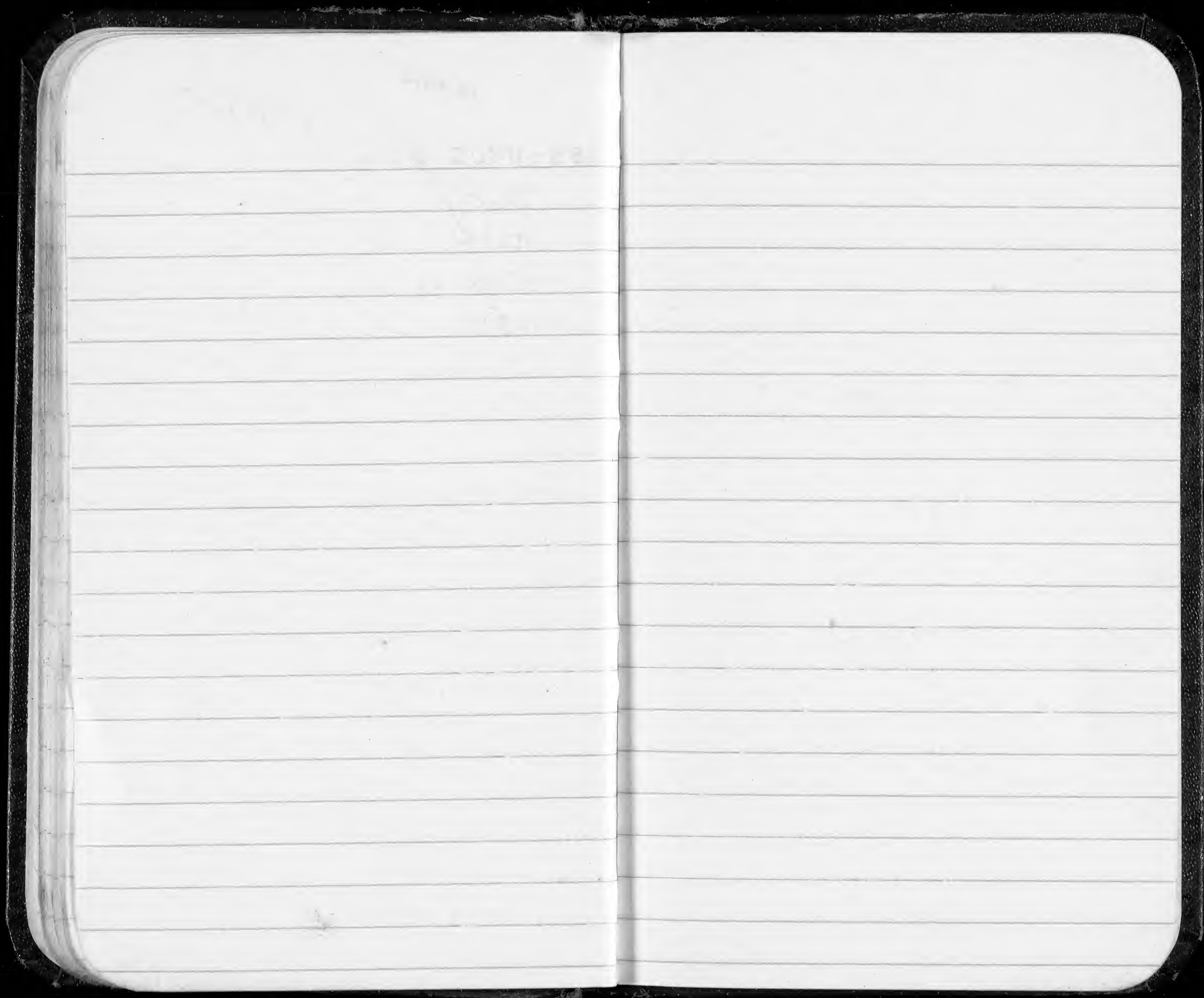
00234

07540

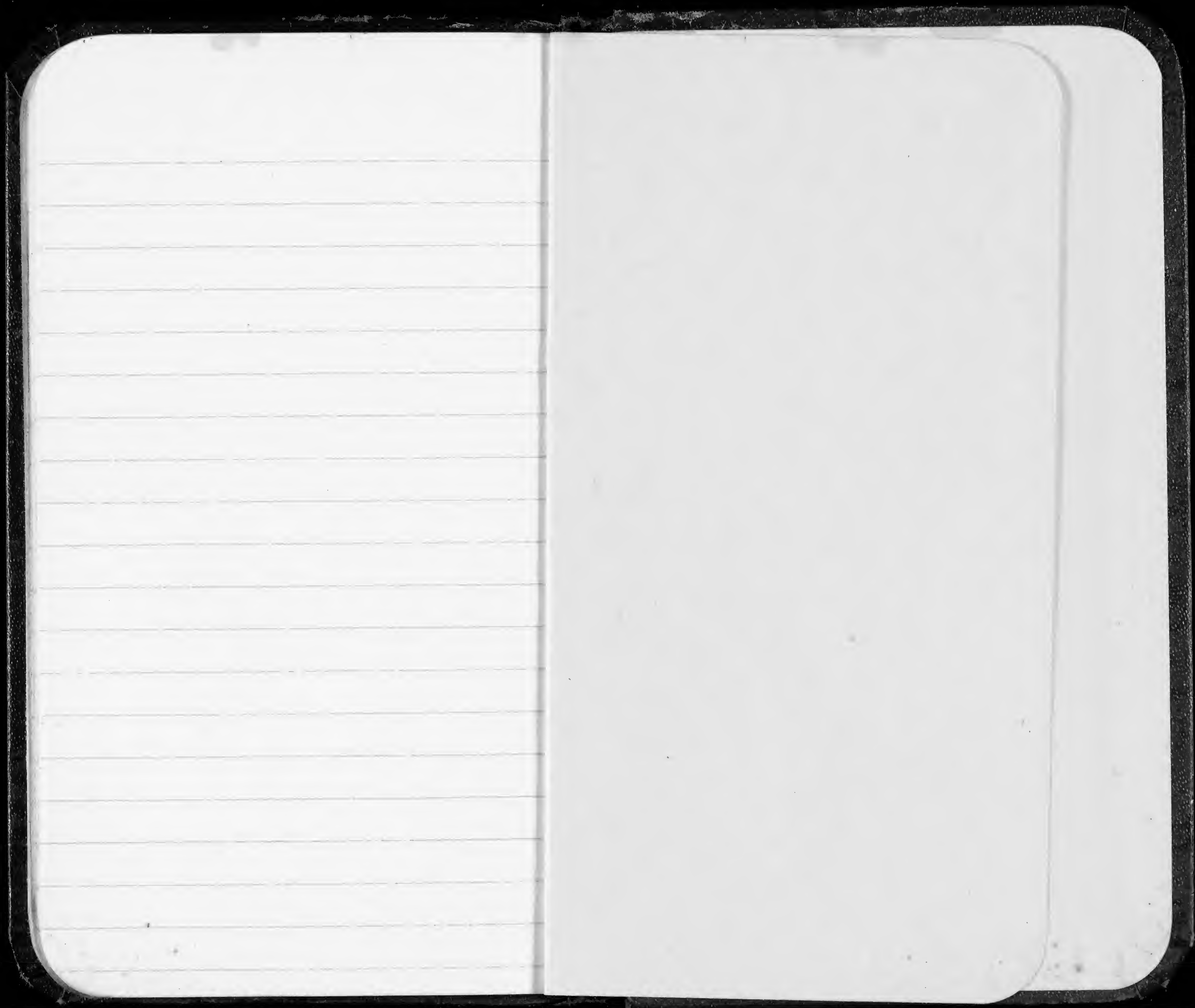
B.S.

16375











WRITE



7530-222-0078  
FEDERAL SUPPLY SERVICE

850 643-16-73125-2